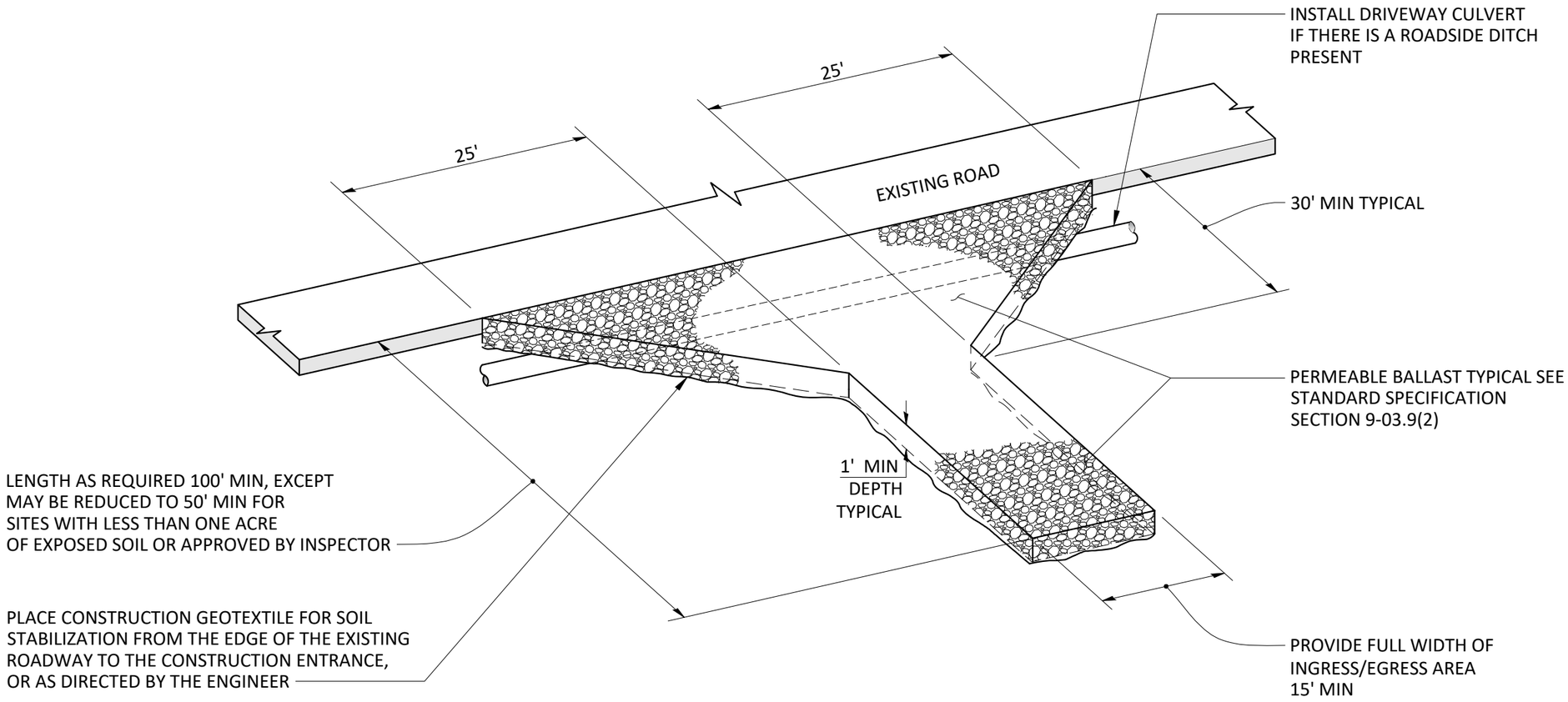
200 EROSION AND SEDIMENTATION CONTROL

NOTES

1. STABILIZED CONSTRUCTION ENTRANCE SHALL MEET THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION SECTION 8-01.3(7).



ISOMETRIC VIEW
CONSTRUCTION ENTRANCE

WSDOT STD PLAN I-80.10-02 ACCEPTABLE SUBSTITUTE

EVERETT WASHINGTON **PUBLIC WORKS DEPARTMENT**

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	04/03/2017

TITLE: CONSTRUCTION ACCESS

STANDARD DRAWING No.: 201

Filename
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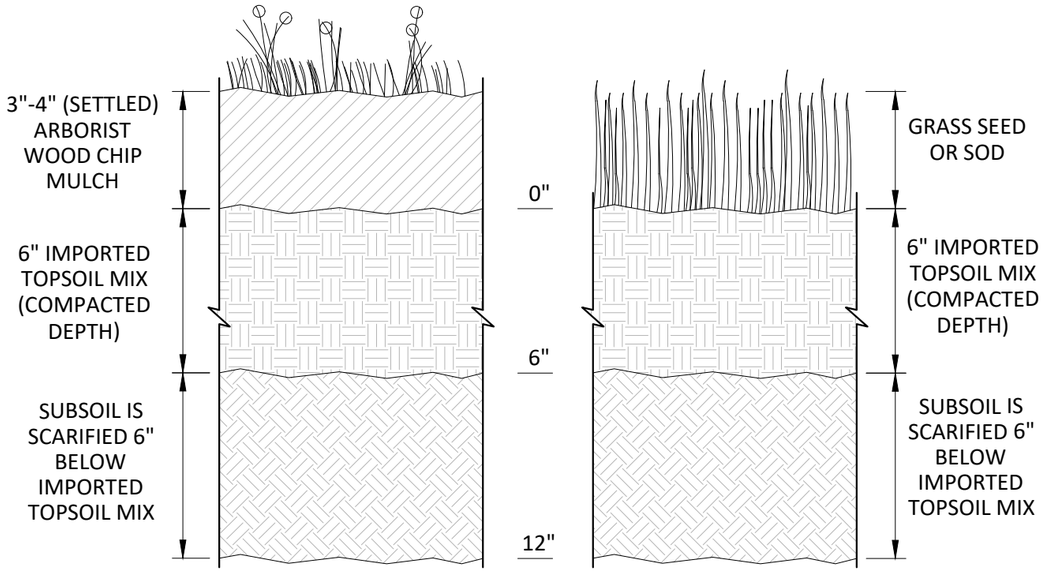
PLOTTED: 11/21/2022 10:39 AM



PLANTING BEDS

1. USE IMPORTED TOPSOIL MIX CONTAINING 10% ORGANIC MATTER (TYPICALLY AROUND 40% COMPOST). SOIL PORTION MUST BE SAND OR SANDY LOAM AS DEFINED BY THE USDA. PLACE 3 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE AND TILL INTO 2 INCHES OF SOIL. PLACE SECOND LIFT OF 3 INCHES TOPSOIL MIX ON SURFACE.
2. RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES DIAMETER. MULCH PLANTING BEDS WITH 3"-4" OF ORGANIC MULCH OR STOCKPILED DUFF.

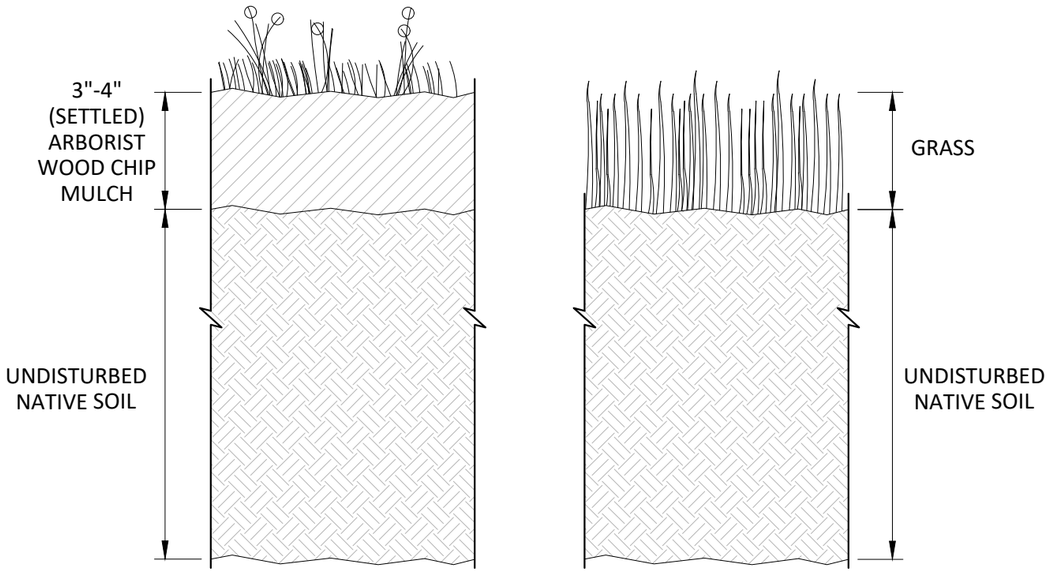
TURF (LAWN) AREAS

1. USE IMPORTED TOPSOIL MIX CONTAINING 5% ORGANIC MATTER (TYPICALLY AROUND 25% COMPOST). SOIL PORTION MUST BE SAND OR SANDY LOAM AS DEFINED BY THE USDA. PLACE 3 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE AND TILL INTO 2 INCHES OF SOIL. PLACE SECOND LIFT OF 3 INCHES TOPSOIL MIX ON SURFACE.
2. WATER OR ROLL TO COMPACT TO 85% OF MAXIMUM DRY DENSITY. RAKE TO LEVEL AND REMOVE SURFACE ROCKS LARGER THAN 1 INCH DIAMETER.

OPTION: IMPORTED TOPSOIL

IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE RESTORED AS DESCRIBED BELOW.

1. SCARIFICATION: SCARIFY OR TILL SUBGRADE IN TWO DIRECTION TO 6 INCHES DEPTH. ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.
2. SETBACKS: TO PREVENT UNEVEN SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET ON CENTER OF UTILITY INFRASTRUCTURE (POLES, VAULTS, METERS ETC.). WITHIN ONE FOOT OF PAVEMENT EDGE, CURBS AND SIDEWALKS; SOIL SHOULD BE COMPACTED TO APPROXIMATELY 90% MAX. MODIFIED PROCTOR DENSITY (ASTM D1557) TO ENSURE A FIRM SURFACE. DO NOT COMPACT WITHIN TREE PROTECTION ZONE.



PLANTING BEDS

TURF (LAWN) AREAS

OPTION: NO DISTURBANCE

LEAVE NATIVE VEGETATION AND SOIL UNDISTURBED AND PROTECT FROM COMPACTION DURING CONSTRUCTION. IDENTIFY AREAS OF THE SITE THAT WILL NOT BE STRIPPED, LOGGED, GRADED OR DRIVEN ON AND FENCE OFF THOSE AREAS TO PREVENT IMPACTS DURING CONSTRUCTION. IF NEITHER SOILS NOR VEGETATION ARE DISTURBED, THESE AREAS DO NOT REQUIRE AMENDMENT.

Filename
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PLOTTED: 11/21/2022 10:39 AM

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	BED	01/04/2021

TITLE
POST- CONSTRUCTION SOIL QUALITY AND DEPTH

STANDARD DRAWING No.
202

OPTION: STOCKPILE EXISTING TOPSOIL

STOCKPILE EXISTING TOPSOIL DURING GRADING. STOCKPILE AND COVER SOIL WITH WEED BARRIER MATERIAL THAT SHEDS MOISTURE YET ALLOWS AIR TRANSMISSION, IN APPROVED LOCATION, PRIOR TO GRADING. REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING. STOCKPILED TOPSOIL SHALL BE TESTED AND AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS EITHER AT PREAPPROVED RATE OR CALCULATED RATE. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION, AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.

1. SCARIFICATION: IF PLACED TOPSOIL PLUS COMPOST OR OTHER ORGANIC MATERIAL WILL AMOUNT TO LESS THAN 12 INCHES, SCARIFY OR TILL SUBGRADE TO DEPTH NEEDED TO ACHIEVE 12 INCHES OF LOOSENED SOIL AFTER TOPSOIL AND AMENDMENT ARE PLACED. ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXITING TREES TO BE RETAINED.

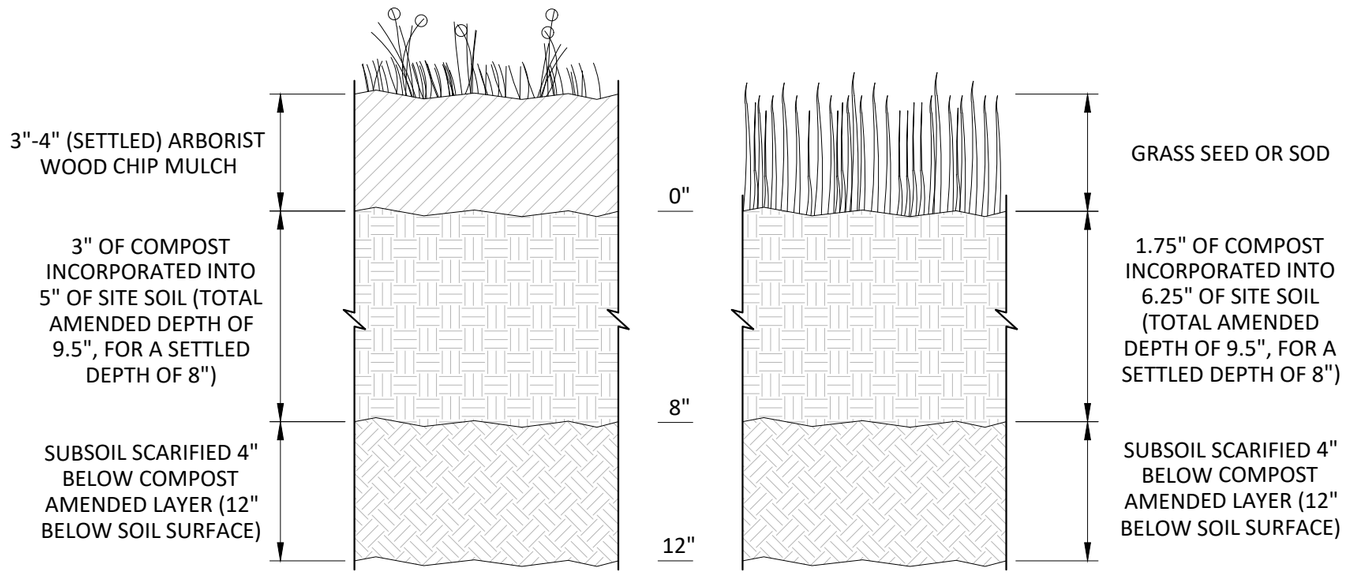
2. SETBACKS: TO PREVENT UNEVEN SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET ON CENTER OF UTILITY INFRASTRUCTURE (POLES, VAULTS, METERS ETC.). WITHIN ONE FOOT OF PAVEMENT EDGE, CURBS AND SIDEWALKS; SOIL SHOULD BE COMPACTED TO APPROXIMATELY 90% MAX. MODIFIED PROCTOR DENSITY (ASTM D1557) TO ENSURE A FIRM SURFACE. DO NOT COMPACT WITHIN TREE PROTECTION ZONE.

OPTION: AMEND EXISTING TOPSOIL

AMEND EXISTING SITE TOPSOIL, OR SUBSOIL, EITHER AT PREAPPROVED RATE OR AT CALCULATED RATE BASED ON TESTS OF THE SOIL AND AMENDMENTS. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.

1. SCARIFICATION: SCARIFY OR TILL SUBGRADE TO 8 INCHES DEPTH (OR TO DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 12 INCHES OF UNCOMPACTED SOIL AFTER CALCULATED AMOUNT OF AMENDMENT IS ADDED). ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED OR WHERE SCARIFICATION WOULD DAMAGE TREE ROOTS OR AS DETERMINED BY THE ENGINEER.

2. SETBACKS: TO PREVENT UNEVEN SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET ON CENTER OF UTILITY INFRASTRUCTURE (POLES, VAULTS, METERS ETC.). WITHIN ONE FOOT OF PAVEMENT EDGE, CURBS AND SIDEWALKS; SOIL SHOULD BE COMPACTED TO APPROXIMATELY 90% MAX. MODIFIED PROCTOR DENSITY (ASTM D1557) TO ENSURE A FIRM SURFACE. DO NOT COMPACT WITHIN TREE PROTECTION ZONE.



PLANTING BEDS

1. PREAPPROVED RATE: PLACE 3 INCHES OF COMPOSTED MATERIAL AND ROTOTILL INTO 5 INCHES OF EXISTING SITE SOILS (A TOTAL AMENDED DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES).

2. CALCULATED RATE: PLACE CALCULATED AMOUNT OF COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AND ROTOTILL INTO DEPTH OF SOIL NEEDED TO ACHIEVE 8 INCHES OF SETTLED SOIL AT 10% ORGANIC CONTENT.

3. RAKE BEDS TO SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 2 INCHES DIAMETER. MULCH PLANTING BEDS WITH 3"-4" OF ORGANIC MULCH OR STOCKPILED DUFF.

TURF (LAWN) AREAS

1. PREAPPROVED RATE: PLACE 1.75 INCHES OF COMPOSTED MATERIAL AND ROTOTILL INTO 6.25 INCHES OF EXISTING SITE SOILS (A TOTAL AMENDED DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES).

2. CALCULATED RATE: PLACE CALCULATED AMOUNT OF COMPOSTED MATERIAL OR APPROVED ORGANIC MATERIAL AND ROTOTILL INTO DEPTH OF SOIL NEEDED TO ACHIEVE 8 INCHES OF SETTLED SOIL AT 5% ORGANIC CONTENT.

3. WATER OR ROLL TO COMPACT TO 85% OF MAXIMUM DRY DENSITY. RAKE TO LEVEL AND REMOVE SURFACE ROCKS LARGER THAN 1 INCH DIAMETER.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	BED	01/04/2021

TITLE

POST- CONSTRUCTION SOIL QUALITY AND DEPTH

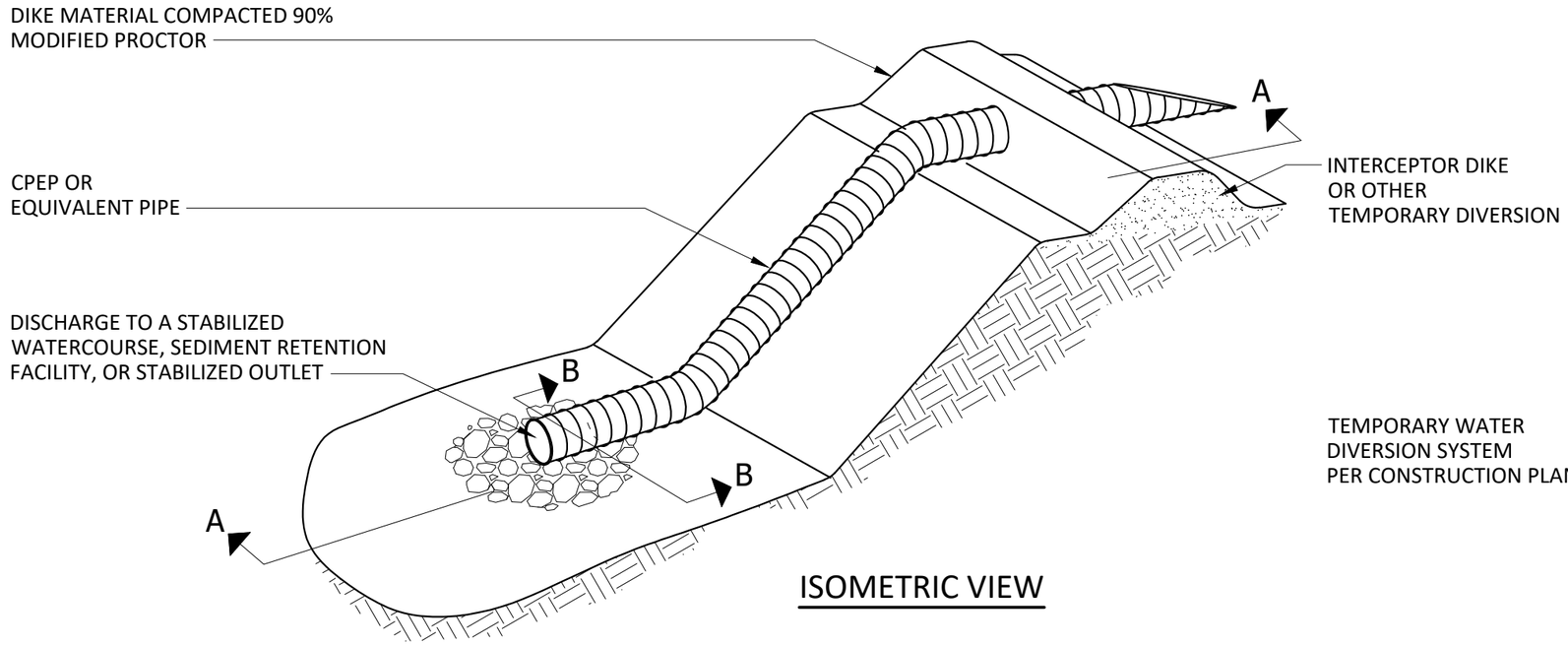
STANDARD DRAWING No.

203

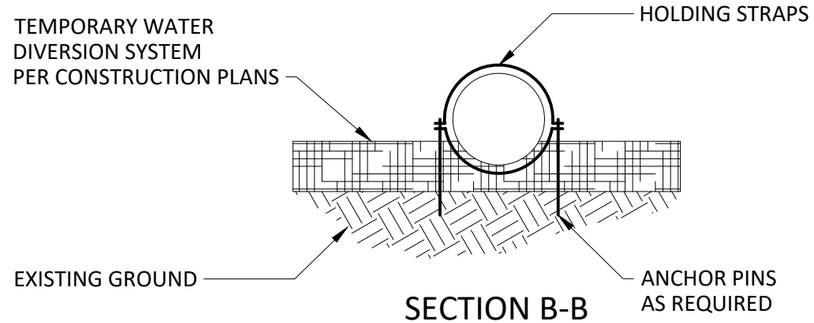
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD203.DWG
PLOTTED: 11/21/2022 10:39 AM

NOTES

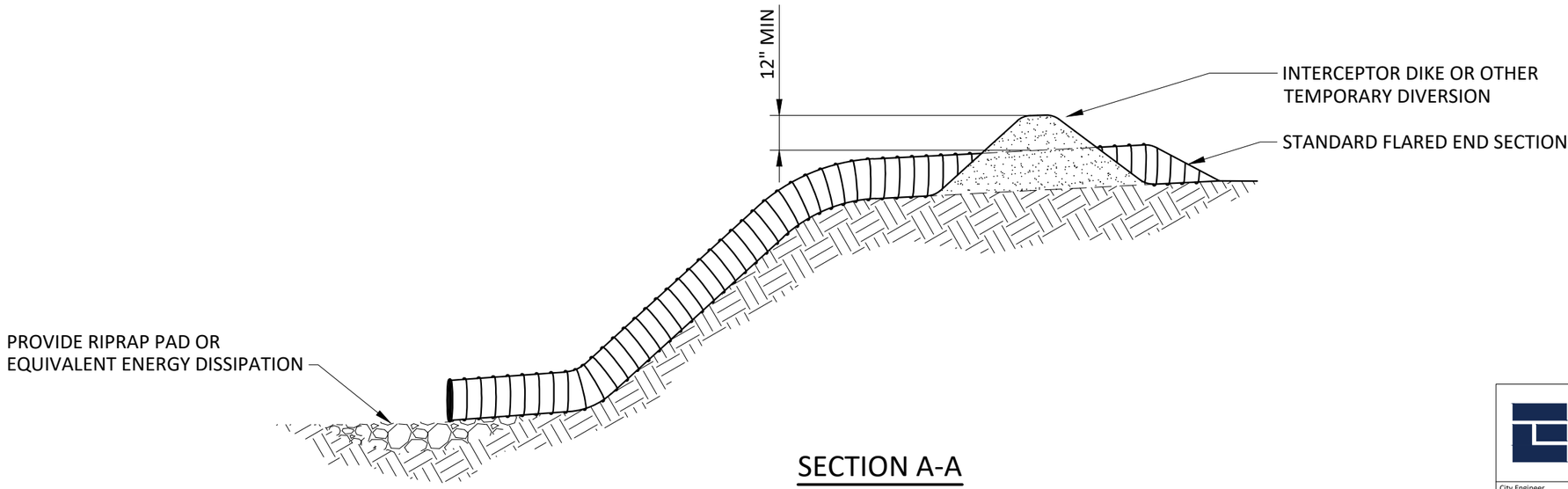
1. INLET AND ALL SECTIONS MUST BE SECURELY FASTENED TOGETHER WITH GASKETED WATERTIGHT FITTINGS.



ISOMETRIC VIEW



SECTION B-B



SECTION A-A

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	12/30/2016

TITLE

TEMPORARY PIPE SLOPE DRAIN

STANDARD DRAWING No.

205

Filename
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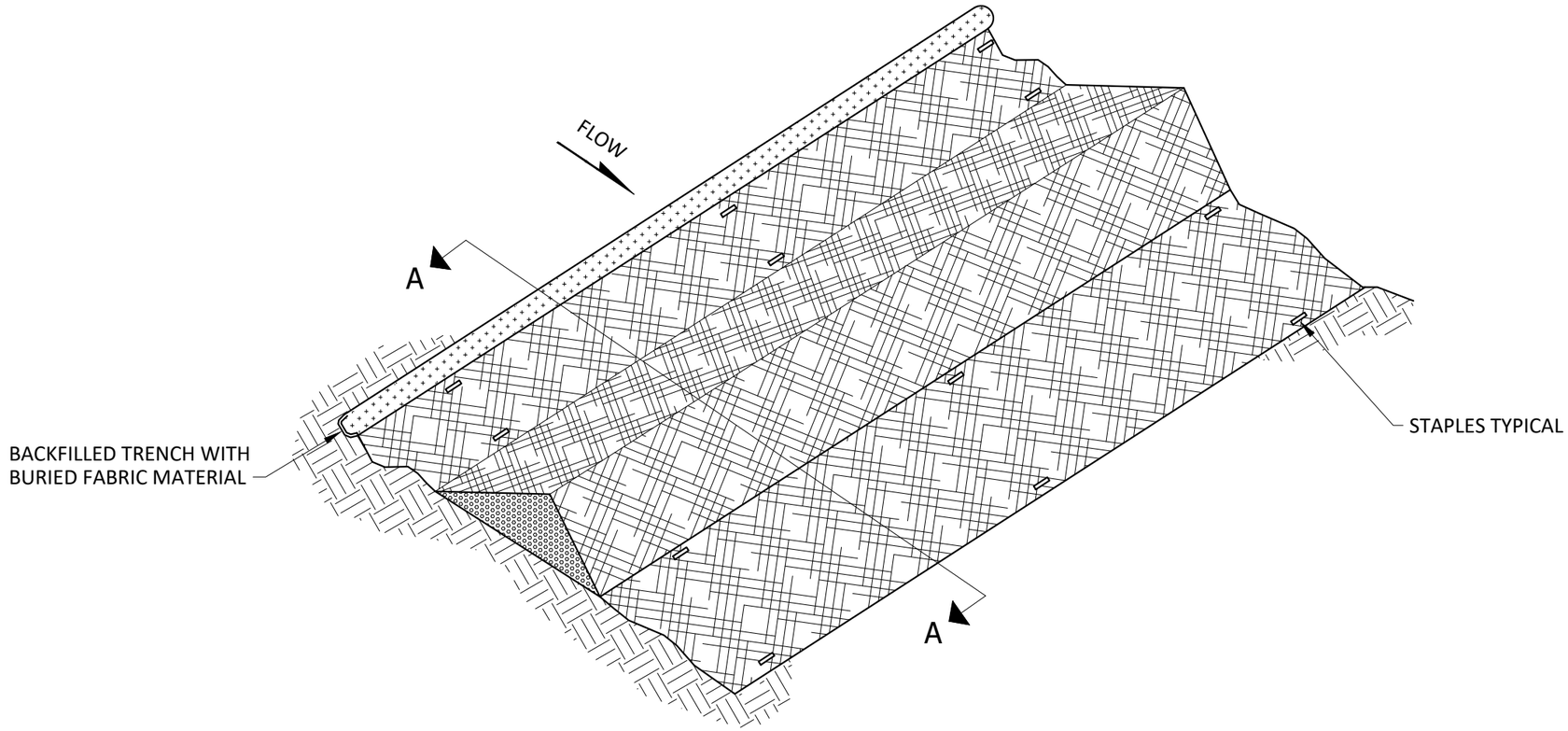
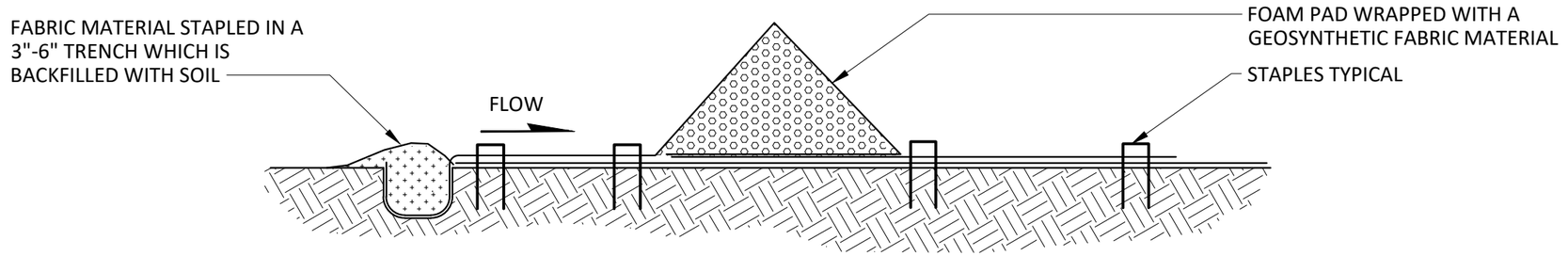
PLOTTED: 11/21/2022 10:39 AM

NOTES

1. PROVIDE 8 LINEAL FEET PER 1 CFS RUNOFF.





CROSS SECTION A-A

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	12/30/2016

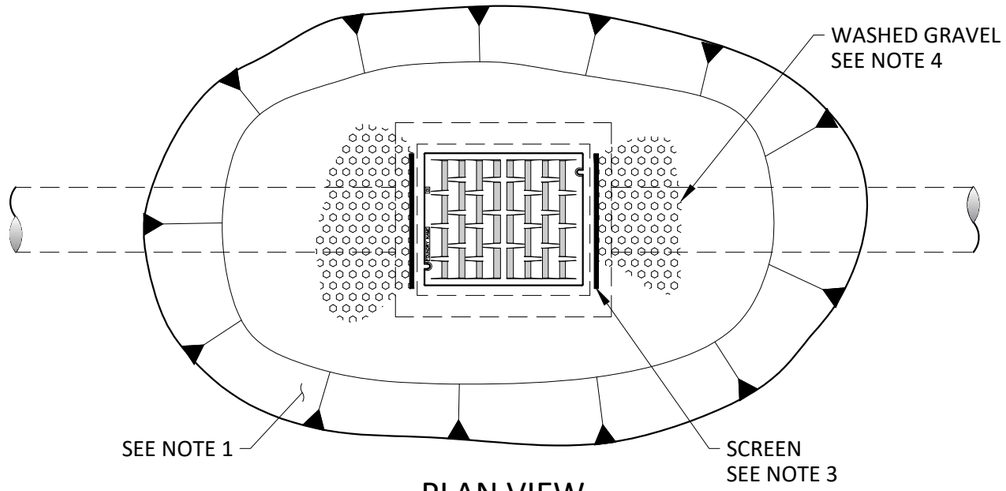
TITLE

TRIANGULAR SEDIMENT FILTER DIKES

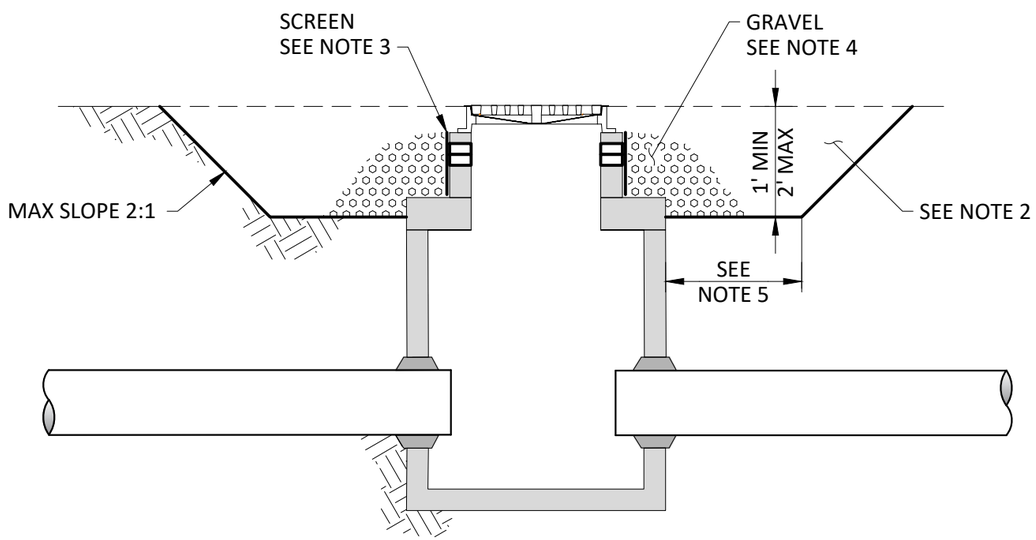
STANDARD DRAWING No.

207

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD207.DWG
PLOTTED: 11/21/2022 10:39 AM



PLAN VIEW



SECTION VIEW

NOTES

1. SHAPE OF SUMP AREA MAY VARY TO FIT DRAINAGE AREA AND TERRAIN. MODIFY AS NECESSARY TO ENSURE SATISFACTORY TRAPPING OF SEDIMENT. HALF-CIRCLE SUMP MAY BE USED WHEN CURB AND GUTTER ARE INSTALLED DURING STREET CONSTRUCTION.
2. CLEAN OUT WHEN SEDIMENT REACHES 6" BELOW GRATE.
3. TEMPORARILY LEAVE OUT BLOCK. COVER OPENING WITH WIRE SCREEN. SIZE SCREEN TO RETAIN GRAVEL.
4. PLACE 3/8" MINUS WASHED GRAVEL IN FRONT OF SCREEN TO FILTER SEDIMENT.
5. SIZE SUMP BASED ON EXPECTED FLOWS DURING CONSTRUCTION.
6. TO PREVENT SEDIMENTATION FROM ENTERING STORM DRAINAGE SYSTEM AT CATCH BASIN/INLETS DURING CONSTRUCTION.

Filename
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PLOTTED: 11/21/2022 10:39 AM

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

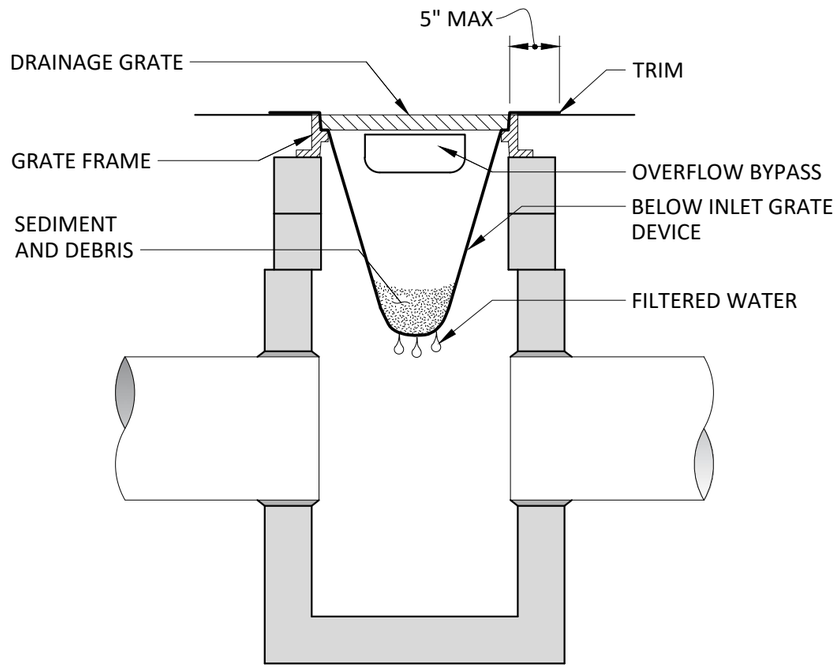
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	03/17/2017

TITLE

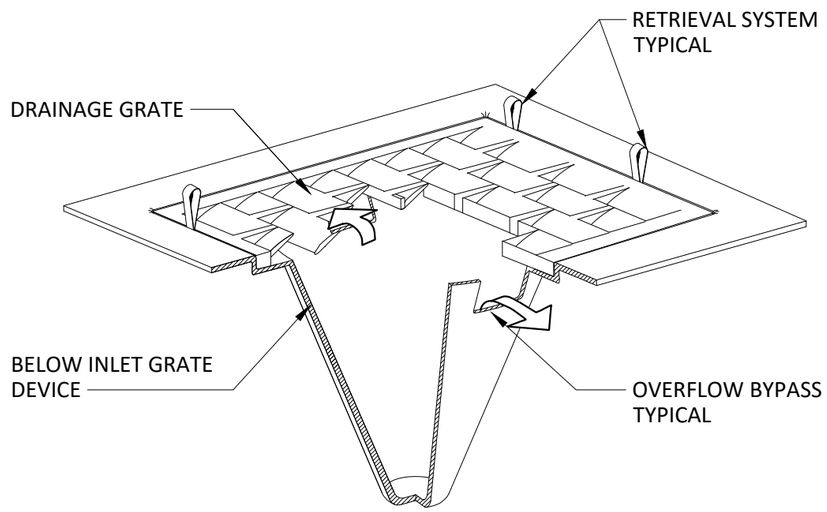
EXCAVATED INLET PROTECTION

STANDARD DRAWING No.

208



SECTION VIEW



ISOMETRIC VIEW

NOTES

1. CATCH BASIN INSERTS SHALL BE REMOVED AT THE END OF THE PROJECT.
2. CATCH BASIN INSERTS ARE ONLY TO BE INSTALLED IN DRAINAGE DEVICES PER THE MANUFACTURES'S RECOMMENDATIONS. CATCH BASIN INLET INSERTS SHALL BE INSTALLED IN CURB INLETS.
3. CATCH BASIN INSERTS SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
4. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES ONE THIRD FULL OR IN ACCORDANCE WITH THE MANUFACTURES' INSTRUCTIONS.
5. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INLET INSERTS, EMPTYING, AND RE-INSTALLING IT INTO THE CATCH BASIN. DO NOT WASH SEDIMENT INTO STORM DRAINS WHILE CLEANING.
6. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
7. THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
8. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
9. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).

WSDOT STD PLAN I-40.20-00 ACCEPTABLE SUBSTITUTE IF MAINTENANCE MEETS NOTES 1-5

EVERETT WASHINGTON — PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	12/30/2016

TITLE: STORM DRAIN INLET PROTECTION

STANDARD DRAWING No. 210

Filename
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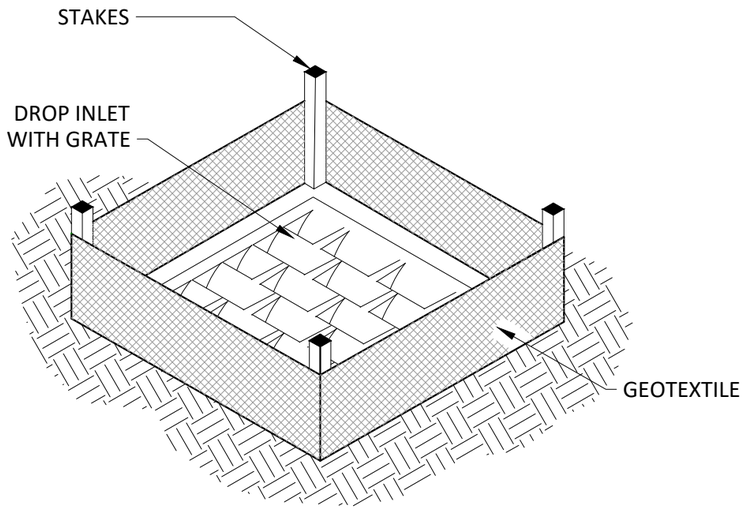
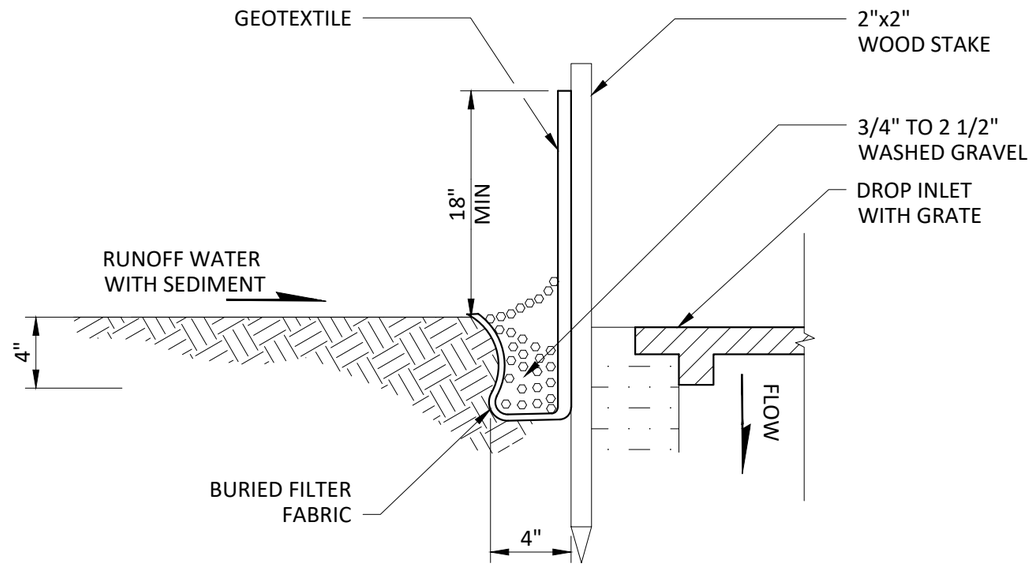
PLOTTED: 11/21/2022 10:39 AM

NOTES

1. ALL FILTER FABRIC SHALL BE GEOTEXTILE FOR TEMPORARY SILT FENCE. SEE WSDOT STANDARD SPECIFICATION 9-33.2(1) TABLE 6.



ISOMETRIC VIEW



SECTION VIEW

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	12/30/2016

TITLE

INLET FABRIC FENCE FILTER

STANDARD DRAWING No.

212

Filename
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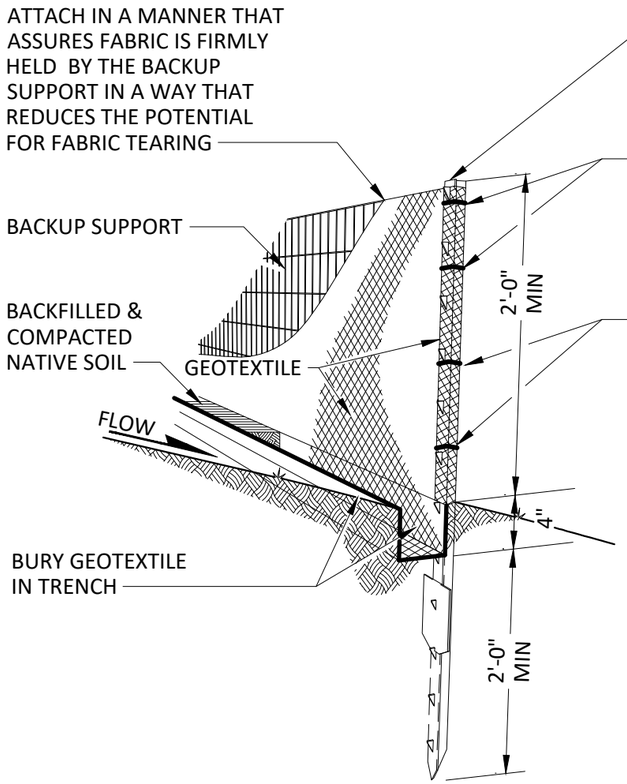
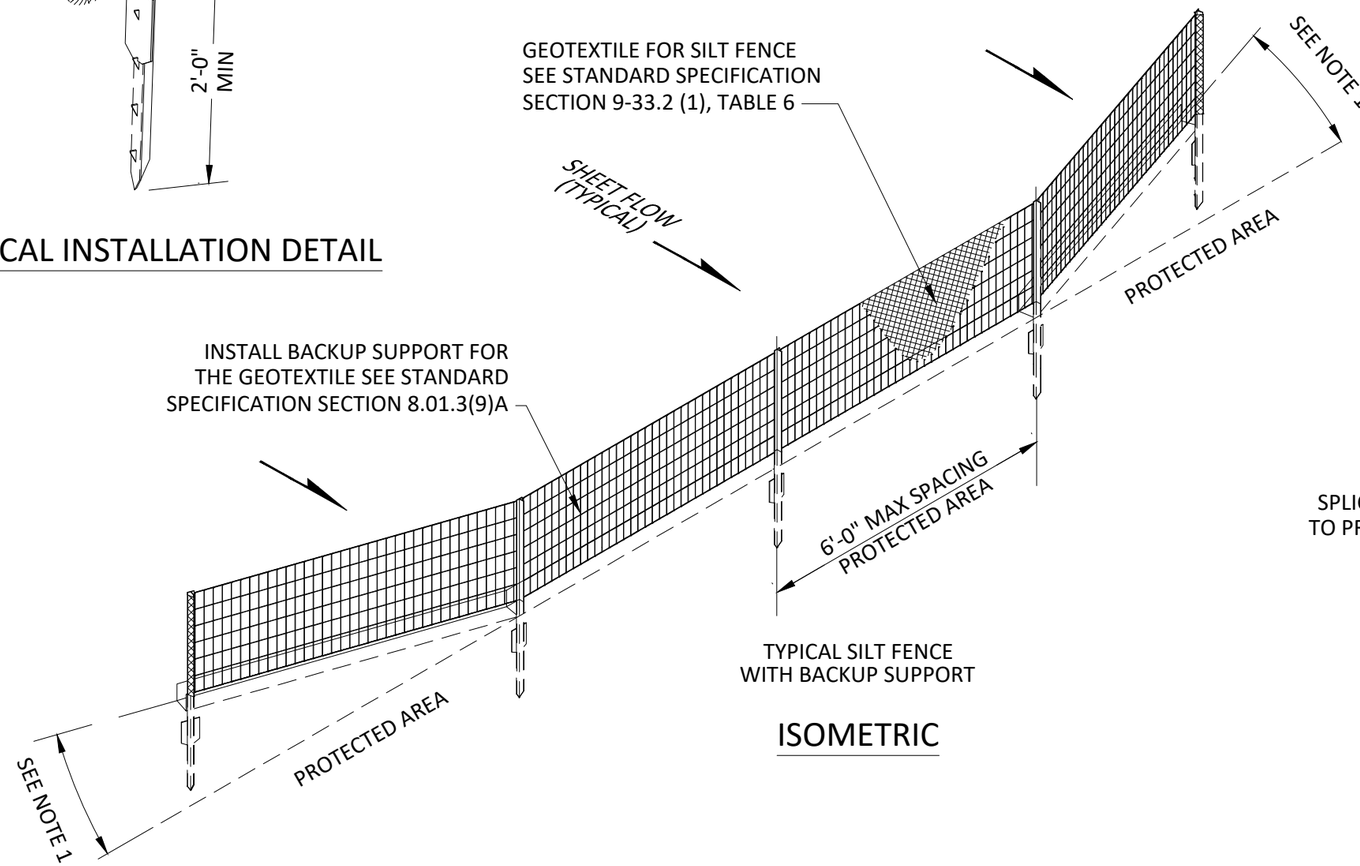
PLOTTED: 11/21/2022 10:39 AM



TYPICAL INSTALLATION DETAIL

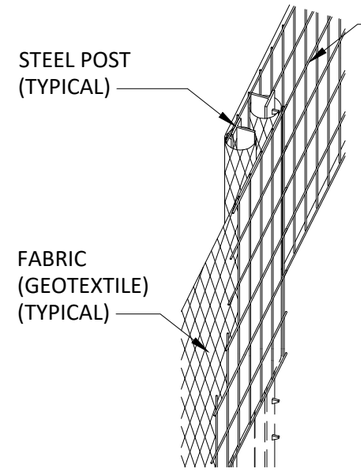


TYPICAL SILT FENCE WITH BACKUP SUPPORT

ISOMETRIC

NOTES

1. INSTALL THE ENDS OF THE SILT FENCE TO POINT SLIGHTLY UPSLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
2. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS 8-01.3(9)A AND 8-01.3(15).
3. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS OTHERWISE APPROVED.
4. INSTALL SILT FENCING PARALLEL TO MAPPED CONTOUR LINES.
5. DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPLICE DETAIL

WSDOT STD PLAN I-30.10-02 ACCEPTABLE SUBSTITUTE EXCEPT STEEL POST REQUIRED

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	03/17/2017

TITLE

TEMPORARY SILT FENCE

STANDARD DRAWING No.

214

Filename
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